

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/532,412  
Source: PCF  
Date Processed by STIC: 3/1/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/01/2006

PATENT APPLICATION: US/10/532,412

TIME: 13:50:49

Input Set : A:\2005-09-30 0425-1185PUS1.ST25.txt

Output Set: N:\CRF4\03012006\J532412.raw

```

3 <110> APPLICANT: OKUDA, Akifumi et al.
5 <120> TITLE OF INVENTION: METHOD OF PRODUCING MACROLIDE COMPOUND
7 <130> FILE REFERENCE: 0425-1185PUS1
9 <140> CURRENT APPLICATION NUMBER: US 10/532,412
10 <141> CURRENT FILING DATE: 2005-04-22
12 <150> PRIOR APPLICATION NUMBER: PCT/JP03/15170
13 <151> PRIOR FILING DATE: 2003-11-27
15 <160> NUMBER OF SEQ ID NOS: 13
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 18
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: NS1 forward primer used to determine nucleotide sequence
26     of 18s rRNA gene
28 <400> SEQUENCE: 1
29 gtagtcatat gcttgtct                                     18
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 21
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: NS3 forward primer used to determine nucleotide sequence
39     of 18s rRNA gene
41 <400> SEQUENCE: 2
42 gcaagtctgg tgccagcagc c                                   21
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 22
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: NS5 forward primer used to determine nucleotide sequence
52     of 18s rRNA gene
54 <400> SEQUENCE: 3
55 aacttaaagg aattgacgga ag                                   22
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 23
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: NS7 forward primer used to determine nucleotide sequence
65     of 18s rRNA gene

```

## RAW SEQUENCE LISTING

DATE: 03/01/2006

PATENT APPLICATION: US/10/532,412

TIME: 13:50:49

Input Set : A:\2005-09-30 0425-1185PUS1.ST25.txt

Output Set: N:\CRF4\03012006\J532412.raw

```

67 <400> SEQUENCE: 4
68 gaggaataa caggtctgtg atg 23
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 21
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: NS2 reverse primer used to determine nucleotide sequence
78 of 18s rRNA gene
80 <400> SEQUENCE: 5
81 cggttcagacc acggtcgtcg g 21
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 22
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: NS4 reverse primer used to determine nucleotide sequence
91 of 18s rRNA gene
93 <400> SEQUENCE: 6
94 ttgaatttcc ttaactgcct tc 22
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 23
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: NS6 reverse primer used to determine nucleotide sequence
104 of 18s rRNA gene
106 <400> SEQUENCE: 7
107 ctccgttatt gtccagacac tac 23
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 20
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: NS8 reverse primer used to determine nucleotide sequence
117 of 18s rRNA gene
119 <400> SEQUENCE: 8
120 aggcattcac ttggacgcct 20
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 1733
125 <212> TYPE: DNA
126 <213> ORGANISM: Mortierella sp. F-1529
128 <400> SEQUENCE: 9
129 aaagattaag ccatgcatgt ctaagtataa acaactttgt actgtgaaac tgcgaatggc 60
131 tcattaaatc agttatagtt tatttgatta taccttacta cttggataac cgtggtaatt 120
133 cttagagctaa tacatgctaa aaatcccgac ttctggaagg gatgtattta ttagataaaa 180
135 aaccaatgcg ggcaaccgct tttctggtga ttcataataa cttttcgaat cgcattggcct 240
137 tgtgctagcg atgtttcatt caaatttctg ccctatcaac tttcgatggg aggatagagg 300
139 cctaccatgg ttttaacggg taacggggaa ttaggggttc attccggaga gggagcctga 360

```

## RAW SEQUENCE LISTING

DATE: 03/01/2006

PATENT APPLICATION: US/10/532,412

TIME: 13:50:49

Input Set : A:\2005-09-30 0425-1185PUS1.ST25.txt

Output Set: N:\CRF4\03012006\J532412.raw

```

141 gaaacggcta ccacatccaa ggaaggcagc aggcgcgcaa attaccaat cccgatacgg 420
143 ggaggtagtg acaataaata acaatacagg gctttatagt cttgtaattg gaatgagtac 480
145 aatttaaate tcttaacgag gaacaattgg agggcaagtc tgggtgccagc agccgcggta 540
147 attccagctc caatagcgta tattaagttt gttgcagtta aaaagctcgt agttgaattt 600
149 taggtctggt tggacggtct gctctcagg gtttgacttg tctgaccgg gccttacctt 660
151 ctggtgagct gtcgtgttgt ttactcagtg cggcaggga ccaggacttt tactttgaaa 720
153 aaattagagt gtttaaagca ggcattcgct tgaatacatt agcatggaat aatagaatag 780
155 gactttgggt ctattttgtt ggtttctagg accgaagtaa tgattaatag ggatagttgg 840
157 gggcattagt atttaattgt cagagggtgaa attcctggat ttattaaaga ctaacttctg 900
159 cgaaagcatt tgccaaggat gttttcatta atcaagaacg aaagttaggg gatcgaagac 960
161 gatcagatac cgctcgtagt ttaaccataa actatgccga ctagggatca ggcaaggata 1020
163 ttttgacttg tttggcacct tatgagaaat caaagttttt gggttccggg gggagtatgg 1080
165 tcgcaaggct gaaacttaaa ggaattgacg gaagggcacc accaggagtg gagcctgcgg 1140
167 cttaatttga ctcaacacgg ggaactcac caggtccaga catagtaagg attgacagat 1200
169 tgagagctct ttcttgattc tatgggtggt ggtgcatggc cgttcttagt tgggtggagt 1260
171 atttgtctgg ttaattccgt taacgaacga gaccttaacc tgctaaatag ttaggtcaac 1320
173 gattgttgat cgtcaacttc ttagagggac tattgactat tagtcaatgg aagtttgagg 1380
175 caataacagg tctgtgatgc ccttagatgt tctgggccgc acgcgcgcta cactgatcaa 1440
177 gtcacagagt ttacaacctt ggcgggaagg tctgggtaat cttttgaaac ttgatcgtgc 1500
179 tggggaatag ccattgcaat tattggactt caacgaggaa ttcttagtaa gcgtgagtca 1560
181 tcagctcgcg ttgattacgt ccttgccttt tgtacacacc gcccgctcgt actaccgatt 1620
183 gaatggctta gtgaggcttt cggattggac tttggcagct ggcaacagca gctagggact 1680
185 gaaaagtcac ccaacttggg tcatttagag gaagtaaaa tcgtaacaag gtt 1733
188 <210> SEQ ID NO: 10
189 <211> LENGTH: 1731
190 <212> TYPE: DNA
191 <213> ORGANISM: Mortierella sp. F-1530
193 <400> SEQUENCE: 10
194 aaagattaag ccacatccaa ggaaggcagc aggcgcgcaa attaccaat cccgatacgg 60
196 tcattaaatc agttatagtt tatttgatta taccttacta cttggataac cgtggtaatt 120
198 ctacagctaa tacatgctaa aaatcccagc ttctggaagg gatgtattta ttagataaaa 180
200 aaccaatgag ggaaccgctt tttctggtga ttcataataa cttttcgaat cgcattggcct 240
202 tgtgctagcg atgtttcatt caaatttctg ccctatcaac ttctgatggg aggatagagg 300
204 cctaccatgg ttttaacggg taacggggaa ttagggttcg attccggaga gggagcctga 360
206 gaaacggcta ccacatccaa ggaaggcagc aggcgcgcaa attaccaat cccgatacgg 420
208 ggaggtagtg acaataaata acaatacagg gctttatagt cttgtaattg gaatgagtac 480
210 aatttaaate tcttaacgag gaacaattgg agggcaagtc tgggtgccagc agccgcggta 540
212 attccagctc caatagcgta tattaagttt gttgcagtta aaaagctcgt agttgaattt 600
214 taggcctggt tggacggtct gctctagggt ttgtactgtc ctgactgggt cttaccttct 660
216 ggtgagctgt cgtattgttt actcagtgcg gcagggaacc aggactttta ctttgaaaaa 720
218 attagagtgt ttaaagcagg cattcgcttg aatacattag catggaataa tagaatagga 780
220 ctttgggtct attttgttgg tttctaggac cgaagtaatg attaataagg atagttgggg 840
222 gcattagtat ttaattgtca gaggtgaaat tcttggattt attaaagact aacttctgcg 900
224 aaagcatttg ccaaggatgt tttcattaat caagaacgaa agttagggga tcgaagacga 960
226 tcagataacc tcgtagtctt aaccataaac tatgccgact agggatcagg caaggatatt 1020
228 ttgacttggt tggcacctta tgagaaatca aagtttttgg gttccggggg gagtatggtc 1080
230 gcaaggctga aacttaaagg aattgacgga agggcaccac caggagtggg gcctgcggct 1140
232 taatttgact caacacgggg aaactcacca ggtccagaca tagtaaggat tgacagattg 1200
234 agagctcttt cttgattcta tgggtggtgg tgcattggccg ttcttagttg gtggagtgat 1260

```

## RAW SEQUENCE LISTING

DATE: 03/01/2006

PATENT APPLICATION: US/10/532,412

TIME: 13:50:49

Input Set : A:\2005-09-30 0425-1185PUS1.ST25.txt

Output Set: N:\CRF4\03012006\J532412.raw

```

236 ttgtctgggt aattccgtta acgaacgaga ccttaacctg ctaaatagtt aggccaacgt 1320
238 ttgttggtcg tcaacttctt agagggacta ttgactatta gtcaatggaa gtttgaggca 1380
240 ataacaggtc tgtgatgcc ttagatgttc tgggcgcac gcgcgtaca ctgatcaagt 1440
242 caacgagttt acaaccttgg ccggaaggtc tgggtaatct tttgaaactt gatcgtgctg 1500
244 gggatagtcc attgcaatta ttggacttca acgaggaatt cctagtaagc gtgagtcac 1560
246 agctcgcgtt gattacgtcc ctgccctttg tacacaccgc ccgtcgtac taccgattga 1620
248 atggcttagt gaggctttcg gattggactt tggcagctgg caacagcagc tagggactaa 1680
250 aaagtcatcc aaacttggtc atttagagga agtaaaagtc gtaacaaggt t 1731
253 <210> SEQ ID NO: 11
254 <211> LENGTH: 19
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: 9F primer used in the analysis of the 16S rRNA gene
261 <400> SEQUENCE: 11
262 gtgtttgatc ctggctcag 19
265 <210> SEQ ID NO: 12
266 <211> LENGTH: 18
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: 536R primer used in the analysis of the 16S rRNA gene
273 <400> SEQUENCE: 12
274 gtattaccgc ggctgctg 18
277 <210> SEQ ID NO: 13
278 <211> LENGTH: 414
279 <212> TYPE: DNA
280 <213> ORGANISM: Micromonosporaceae AB-1896
282 <400> SEQUENCE: 13
283 gtcgagcgga aggcccttcg gggactcga gcggcgaaac ggtgagtaac acgtgagcaa 60
285 cctgccctag gctttgggat aaccccgga aaccggggct aataccgaat atgacttctg 120
287 gtcgcatgac cgggtggtgga aagtttttcg gcctgggatg ggctcgcggc ctatcagctt 180
289 gttggtgggg tgatggccta ccaaggcgac gacgggtagc cggcctgaga gggcgaccgg 240
291 ccactgggg actgagacac ggcccagact cctacgggag gcagcagtgg ggaatattgc 300
293 acaatgggag gaagcctgat gcagcgacgc cgcgtgaggg atgacggcct tcgggttgta 360
295 aacctctttc agcagggacg aagcgtaagt gacggtacct gcagaagaag cgcc 414

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/532,412

DATE: 03/01/2006

TIME: 13:50:50

Input Set : A:\2005-09-30 0425-1185PUS1.ST25.txt

Output Set: N:\CRF4\03012006\J532412.raw